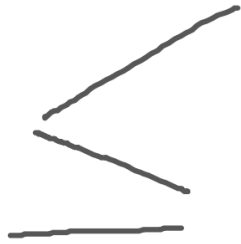


SLOPE

⊕

⊖

0



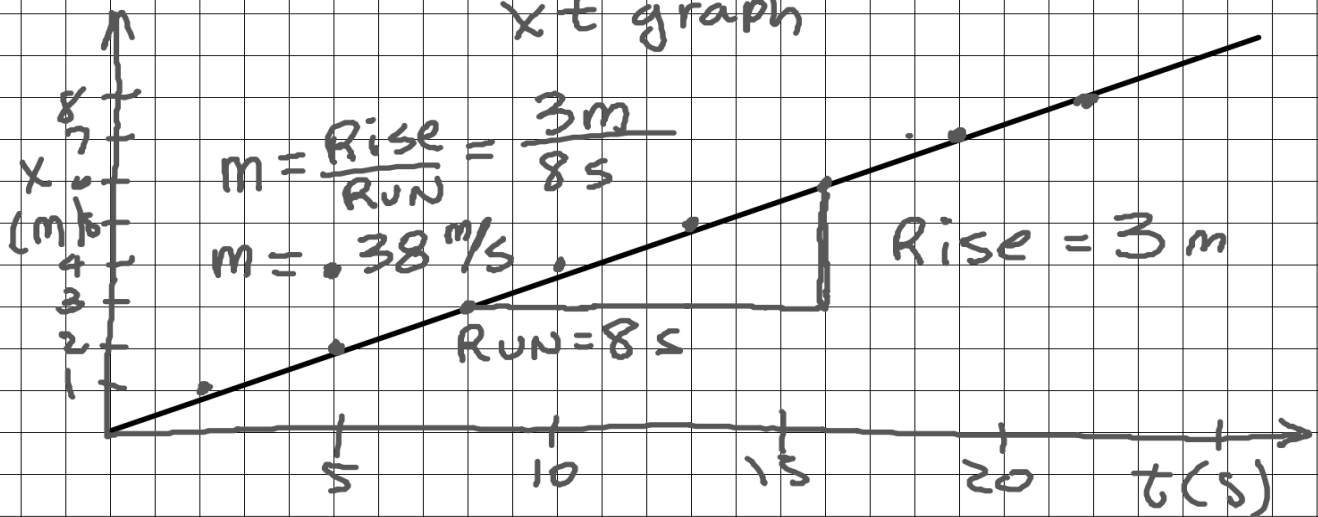
$$y = mx + b$$

↑ SLOPE

↑ y-intercept

$$m = \frac{\text{change in } y}{\text{change in } x} = \frac{(y_2 - y_1)}{(x_2 - x_1)} = \frac{\text{Rise}}{\text{Run}}$$

x-t graph



$\text{SLOPE of } x-t \text{ line} = \text{VALUE of } v-t \text{ line}$   
 $\text{SLOPE of } v-t \text{ line} = \text{VALUE of } a-t \text{ line}$

③ when  $v$  is decreasing

$v-t \text{ line} = \ominus \text{ SLOPE}$

$x-t \text{ line} = \text{cup down}$

$a-t \text{ line} = \text{horizontal line that is } \ominus$

